

NIR fluorescence-enhanced biomedical optical imaging

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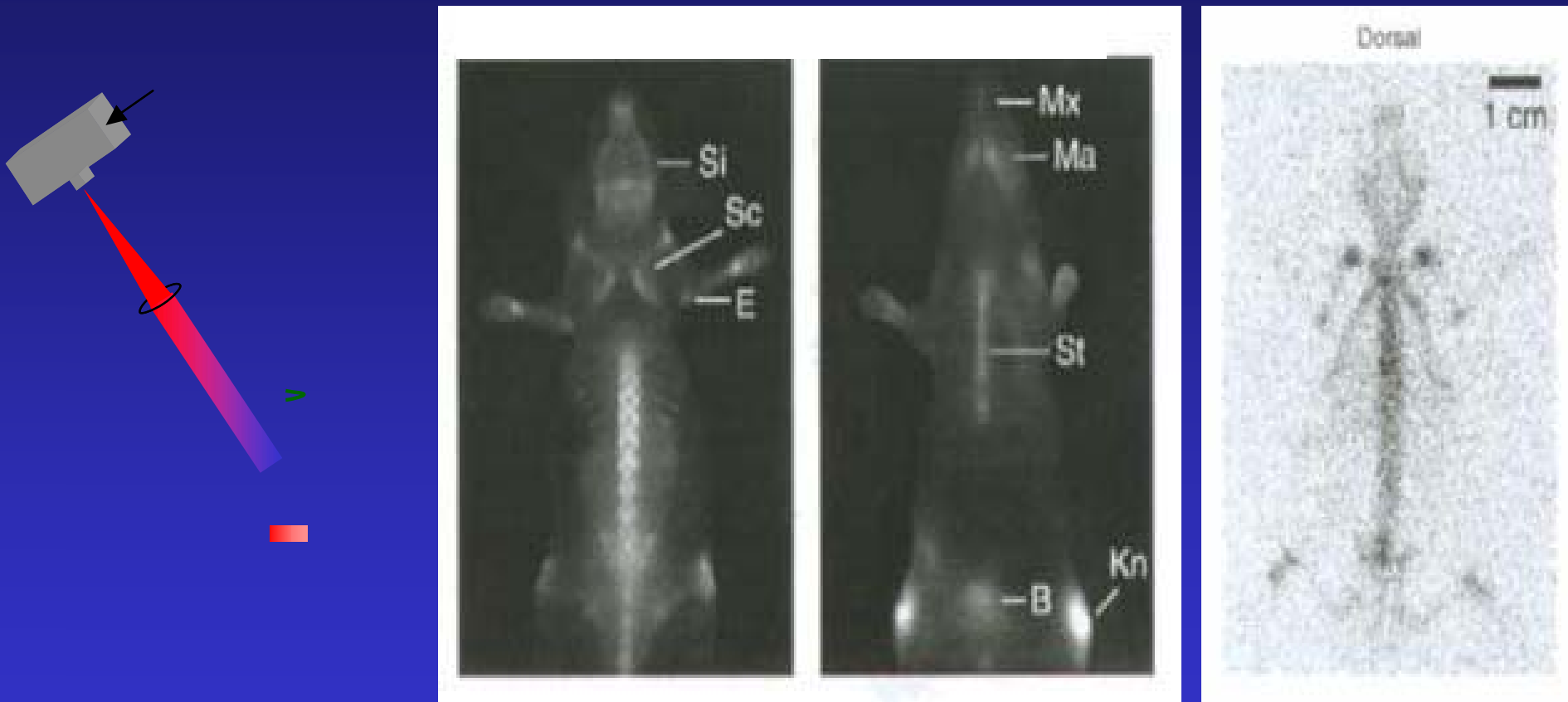
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**Defining the State-of-the-Art in Biomedical Imaging:
Research Needs for the Future**

Exogenous fluorescence vs. radiopharmaceutical



IRDye780 was conjugated to pamidronate, a bisphosphonate molecule, to yield a NIR fluorescent dye with specific binding to HA

Zaheer, et al., Nature Biotechnology, 19, pp 1148-1154, December, 2001